

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058536.D
 Acq On : 4 Oct 2019 13:37
 Operator : JC/SP
 Sample : VN1004WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:40 PM

Quant Time: Oct 05 01:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	656781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	283825	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.57	113	199199	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	777623	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.41	95	288361	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84203	19.671	ug/l	98
3) Chloromethane	2.04	50	108611	23.080	ug/l	98
4) Vinyl Chloride	2.17	62	96348	20.900	ug/l	98
5) Bromomethane	2.55	94	48973	20.000	ug/l	94
6) Chloroethane	2.68	64	62658	22.684	ug/l	97
7) Trichlorofluoromethane	3.00	101	111187	19.986	ug/l	98
8) Diethyl Ether	3.39	74	49060	20.439	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	74849	19.811	ug/l	97
10) Methyl Iodide	3.93	142	62571	14.936	ug/l	97
11) Tert butyl alcohol	4.76	59	78818	124.366	ug/l	98
12) 1,1-Dichloroethene	3.72	96	71626	19.450	ug/l	98
13) Acrolein	3.59	56	23410	116.137	ug/l	99
14) Allyl chloride	4.30	41	140947	21.031	ug/l	97
15) Acrylonitrile	4.96	53	211584	114.553	ug/l	98
16) Acetone	3.79	43	193605	99.555	ug/l	98
17) Carbon Disulfide	4.03	76	187480	19.313	ug/l	98
18) Methyl Acetate	4.30	43	106625	21.799	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	276825	21.304	ug/l	99
20) Methylene Chloride	4.53	84	92484	20.608	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	81391	19.875	ug/l	96
22) Diisopropyl ether	5.93	45	302855	21.000	ug/l	94
23) Vinyl Acetate	5.87	43	1239778	114.010	ug/l	99
24) 1,1-Dichloroethane	5.82	63	173123	21.330	ug/l	99
25) 2-Butanone	6.81	43	284740	106.643	ug/l	99
26) 2,2-Dichloropropane	6.80	77	143211	21.462	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98933	20.670	ug/l	99
28) Bromochloromethane	7.18	49	69487	21.417	ug/l	98
29) Tetrahydrofuran	7.19	42	187583	110.692	ug/l	99
30) Chloroform	7.36	83	174165	21.176	ug/l	99
31) Cyclohexane	7.64	56	151262	19.159	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	145732	21.577	ug/l	98
36) 1,1-Dichloropropene	7.78	75	124490	19.823	ug/l	100
37) Ethyl Acetate	6.91	43	123451	23.186	ug/l	99
38) Carbon Tetrachloride	7.76	117	119060	21.003	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137292	18.720	ug/l	98
40) Benzene	8.03	78	372364	20.627	ug/l	98
41) Methacrylonitrile	7.15	41	52896	21.594	ug/l	98
42) 1,2-Dichloroethane	8.11	62	143423	20.421	ug/l	99
43) Isopropyl Acetate	8.15	43	205924	20.567	ug/l #	90
44) Trichloroethene	8.82	130	91383	20.501	ug/l	94
45) 1,2-Dichloropropane	9.11	63	103893	21.459	ug/l	98
46) Dibromomethane	9.20	93	64947	21.183	ug/l	96
47) Bromodichloromethane	9.39	83	128276	22.082	ug/l	97
48) Methyl methacrylate	9.19	41	97324	21.347	ug/l	99
49) 1,4-Dioxane	9.19	88	32947	540.454	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	613627	119.312	ug/l	99
52) Toluene	10.15	92	226739	19.955	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	139995	22.141	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	152291	21.698	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93292	22.549	ug/l	97
56) Ethyl methacrylate	10.43	69	136188	21.693	ug/l	99
57) 1,3-Dichloropropane	10.71	76	160009	21.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	332508	132.828	ug/l	100
59) 2-Hexanone	10.75	43	437572	116.844	ug/l	99
60) Dibromochloromethane	10.90	129	87699	20.140	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90055	21.303	ug/l	99
64) Tetrachloroethene	10.63	164	82549	21.808	ug/l	96
65) Chlorobenzene	11.43	112	243648	20.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87663	21.970	ug/l	99
67) Ethyl Benzene	11.51	91	449624	20.961	ug/l	99
68) m/p-Xylenes	11.62	106	324020	40.148	ug/l	97
69) o-Xylene	11.95	106	156801	20.182	ug/l	95
70) Styrene	11.97	104	260462	20.636	ug/l	99
71) Bromoform	12.13	173	52565	19.493	ug/l #	100
73) Isopropylbenzene	12.25	105	430083	20.585	ug/l	100
74) N-amyl acetate	12.07	43	180059	21.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132184	21.395	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	120911m	23.415	ug/l	
77) Bromobenzene	12.53	156	101190	20.655	ug/l	97
78) n-propylbenzene	12.60	91	504520	21.434	ug/l	100
79) 2-Chlorotoluene	12.68	91	298317	20.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	361095	20.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34292	20.169	ug/l	95
82) 4-Chlorotoluene	12.78	91	302746	20.421	ug/l	100
83) tert-Butylbenzene	13.00	119	295062	19.993	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	357821	20.420	ug/l	99
85) sec-Butylbenzene	13.18	105	402251	20.708	ug/l	99
86) p-Isopropyltoluene	13.30	119	357372	20.901	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180555	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	177990	20.139	ug/l	98
89) n-Butylbenzene	13.62	91	328354	21.200	ug/l	100
90) Hexachloroethane	13.88	117	55042	21.425	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	178676	20.934	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24704	22.675	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	100891	21.391	ug/l	99
94) Hexachlorobutadiene	15.02	225	51406	21.205	ug/l	99
95) Naphthalene	15.13	128	283563	20.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97090	20.517	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

